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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

1- File Copy

—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE IS SET TO EXPIRE ___3___ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication .
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

☑ Responsive to communication(s) filed on _____1 - 3 - 01_____.

☐ This action is **FINAL.**

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle,* 1935 C.D. 1 1; 453 O.G. 213.

Disposition of Claims

☒ Claim(s) ___17 - 32___ is/are pending in the application.

    Of the above claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) ___17 - 32___ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 11 9(a)-(d).

    ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

    ☐ received.

    ☐ received in Application No. (Series Code/Serial Number) _____.

    ☐ received in this national stage application from the International Bureau (PCT Rule 1 7.2(a)).

    *Certified copies not received: _____.

Attachment(s)

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____   ☐ Interview Summary, PTO-413

☒ Notice of References Cited, PTO-892   ☐ Notice of Informal Patent Application, PTO-152

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948   ☐ Other _____

Office Action Summary

1.   The request filed on 01/03/01 for a Continued Prosecution Application (CPA) under 37

CFR 1.53(d) based on parent Application No. 08/087552 is acceptable and a CPA has been

established. An action on the CPA follows.

2.   Applicant argument filed 01/03/01 with regard to claims 17-32 have been fully considered

but they are moot in view of the new grounds of rejection.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

4.   Claims 17-18, 20-21, 28-29 and 31-32 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Pepe et al [U.S. Pat. No. 5,673,322] in view of Birgerson [US. Pat. 6,138,009]

in view of De Boor et al. [US. Pat. No. 6,173,316].

As to claim 17, Pepe discloses a method for accessing data over a network using a

wireless device, the method comprising:

-receiving user query information, and wherein the user query information specifies

requested network data (col. 5; lines 53-61).

-sending a compressed transport protocol (CTP) query to a proxy server, wherein the

CTP query is converted to a hypertext transfer protocol (HTTP) query by the proxy server

[means for converting the application layer protocol (CTP) into a transport protocol (HTTP) (col. 6, lines 21-24)];

-receiving a CTP response from the proxy server, wherein the CTP response is generated from   an HTTP response by the proxy server [means for converting the transport protocol (HTTP) into application layer protocol (CTP) (col. 6, lines 26-29)].

Pepe does not disclose,

-storing a wireless application on the wireless device, including loading the wireless application to the wireless device from a network, wherein the wireless application includes software for accessing an Internet web site;

- wherein receiving includes processing data entered on a query form stored on the wireless device, and

-displaying requested network data on the wireless device, wherein the requested network data comprises data from the Internet web site.

Birgerson discloses a customizing wireless communication device, the software relating to the wireless communication device is provided from a number storing means that can be accessed over a global data communication network (Internet) (col. 2, lines 46-58, lines 55-65). The wireless applications are down-loaded to the communication network from the Internet and stored in storage means in the communication device (col. 4, lines 11-34).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use Birgerson's teachings to modify Pepe's method by downloading a wireless

application from the Internet and store it in the wireless device in order to achiever a system

where the wireless device does not have to bother about the destinations for the device and can be

used everywhere and can be adapted on site with any desired software irrespectively of where it is

actually activated.

Birgerson does not disclose,

- wherein receiving includes processing data entered on a query form stored on the

wireless device, and

-displaying requested network data on the wireless device, wherein the requested network

data comprises data from the Internet web site.

De Boor discloses a wireless communication device that has an improved navigational

method that display query form to the user to fetch a web page from the Internet (col. 6, lines 21-

65, col. 9, lines 40-53, col. 10, line 12-45).

It would have been obvious to one of ordinary skill in the art at the time the invention was

made to use De Boor's teachings to modify the combined method of Pepe and Birgerson by using

a query form and display the requested data on a display in order to achieve a compact, portable,

hand held wireless device with improved navigational method.

As to claim 18, De boor further discloses further comprising:

-displaying a list of wireless applications on the wireless device (col. 29, lines 31-39);

-receiving a user selection of a wireless application (col. 11, line 63-col. 12, line 3), and

-in response to the user selection, displaying a query form (col. 30, lines 32-53).

As to claim 20, De boor further discloses further comprising sending and receiving arbitrary length messages between the wireless device and the network using a reliable message protocol (RAP) that sends messages in a single packet that can be reconstructed on receipt (col. 35, lines 39-41, col. 44, lines 7-12).

As to claim 21, De boor further discloses wherein delivery of packets is not guaranteed, and wherein RMP includes a mechanism for retransmission of packets (col. 42, lines 27-31, col. 44, lines 25-27).

As to claim 28, refer to claim 17 rejection for their common features. Birgerson further discloses an electromagnetic medium in a wireless device (cellular phone) (col. 2 lines 30-31).

As to claim 29, refer to claim 18 rejection for their common features. Birgerson further discloses an electromagnetic medium in a wireless device (cellular phone) (col. 2 lines 30-31).

As to claim 31, refer to claim 20 rejection for their common features. Birgerson further discloses an electromagnetic medium in a wireless device (cellular phone) (col. 2 lines 30-31).

As to claim 32, refer to claim 21 rejection for their common features. Birgerson further discloses an electromagnetic medium in a wireless device (cellular phone) (col. 2 lines 30-31).

5.   Claims 19, 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe et al [U.S. Pat. No. 5,673,322] in view of Birgerson [US. Pat. 6,138,009] in view of De Boor et al. [US. Pat. No. 6,173,316] as applied to claim 17 above and further in view of Kikinis [US. Pat. No. 5,727,159].

As to claim 19, neither Pepe nor Birgerson nor De Boor discloses wherein displaying the requested network data comprises:

-fetching compact markup language (CML) content from the proxy server; and

rendering the CML content for display on the wireless device.

Kikinis discloses a hand held device that downloads data from a proxy server and reduce the size of files (col. 3, lines 19-30). The files are translated into an H-lite language to reduce it's size and display it (col. 7, lines 6-30).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use Kikinis's teachings to modify the combined method of Pepe, Birgerson, De Boor by using a compact makeup language to fetch the data from the proxy server and display it in order to transform the files downloaded from the web into a form quickly and easily displayable by the wireless device and to minimize bandwidth requirements for the link and speeds transmission of data.

6.   Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe et al [U.S. Pat. No. 5,673,322] in view of Birgerson [US. Pat. 6,138,009].

As to claim 22, Pepe discloses a system for wireless communication between a wireless device and a network, comprising:

at least one network computer (Fig. 2, items 62, 68);

at least one server coupled to the at least one network computer (Fig. 2; items 64, 66) and a wireless device (Fig. 2; items 52) comprising:

a display [items 52 in Fig. 2 is laptop or PDA which has a display (col 6, lines 65-67)];

and

software for converting data to a compressed transport protocol (CTP),wherein the data

comprises hypertext transfer protocol (HTTP) queries sent to the server and HTTP responses

received from the server (col. 6, lines 21-29).

Pepe does not disclose,

a storage device that stores a plurality of software, including,

a plurality of wireless applications, each of which is for accessing an Internet web site;

Birgerson discloses a customizing wireless communication device, the software relating to

the wireless communication device is provided from a number storing means that can be accessed

over a global data communication network (Internet) (col. 2, lines 46-58, lines 55-65). The

wireless applications are down-loaded to the communication network from the Internet and stored

in storage means in the communication device (col. 4, lines 11-34).

It would have been obvious to one of ordinary skill in the art at the time the invention was

made to use Birgerson's teachings to modify Pepe's system by downloading a wireless application

from the Internet and store it in the wireless device in order to achiever a system where the

wireless device does not have to bother about the destinations for the device and can be used

everywhere and can be adapted on site with any desired software irrespectively of where it is

actually activated.

7.   Claims 23-24, 26-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe

et al [U.S. Pat. No. 5,673,322] in view of Birgerson [US. Pat. 6,138,009] as applied to claim 22

above and further in view of De Boor et al. [US. Pat. No. 6,173,316].

As to claim 23, neither Pepe nor Birgerson discloses

-receiving user query information, wherein receiving includes processing data entered on a

query form stored on the wireless device, and wherein the user query information specifies

requested network data; and

-displaying requested network data on the wireless device, wherein the requested network

data comprises data from the Internet web site.

De Boor discloses a wireless communication device that has an improved navigational

method that display query form to the user to fetch a web page from the Internet (col. 6, lines 21-

65, col. 9, lines 40-53, col. 10, line 12-45).

It would have been obvious to one of ordinary skill in the art at the time the invention was

made to use De Boor's teachings to modify the combined system of Pepe and Birgerson by using

a query form and display the requested data on a display in order to achieve a compact, portable,

hand held wireless device with improved navigational method.

As to claim 24, De Boor further discloses,

-displaying a list of wireless applications on the wireless device (col. 29, lines 31-39);

-receiving a user selection of a wireless application (col. 11, line 63-col. 12, line 3); and

-in response to the user selection, displaying a query form (col. 30, lines 32-53).

As to claim 26, De Boor further discloses wherein the plurality of software stored is further for sending and receiving arbitrary length messages between the wireless device and the network using a reliable message protocol (RMP) that sends messages in a single packet that can be reconstructed on receipt (col. 35, lines 39-41, col. 44, lines 7-12).

As to claim 27, De Boor further discloses wherein delivery of packets is not guaranteed, and wherein RMP includes a mechanism for retransmission of packets (col. 42, lines 27-31, col. 44, lines 25-27).

8.   Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Pepe et al [U.S. Pat. No. 5,673,322] in view of Birgerson [US. Pat. 6,138,009] in view of De Boor et al. [US. Pat. No. 6,173,316] as applied to claim 23 above and further in view of Kikinis [US. Pat. No. 5,727,159].

As to claim 25, neither Pepe nor Birgerson nor De Boor discloses wherein displaying the requested network data comprises:

fetching compact markup language (CML) content from the proxy server; and

rendering the CML content for display on the wireless device.

Kikinis discloses a hand held device that downloads data from a proxy server and reduce the size of files (col. 3, lines 19-30). The files are translate into an H-lite language to reduce it's size and display it (col. 7, lines 6-30).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to use Kikinis's teachings to modify the combined system of Pepe, Birgerson, De Boor by

using a compact makeup language to fetch the data from the proxy server and display it in order

to transform the files downloaded from the web into a form quickly and easily displayable by the

wireless device and to minimize bandwidth requirements for the link and speeds transmission of

data.

9.   Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Hieu Le whose telephone number is (703) 3 06-3101.The examiner can

normally be reached on Monday to Friday from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Glenton Burgess, can be reached on (703) 305-4792. The fax phone number for this Group is

(703)) 308-9051.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Group receptionist whose telephone number is 703-305-3900.

                                                        Dung C. Dinh
                                                        Primary Examiner